

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Mark A. Stan et al.

Serial No.: 09/885,319

Filed: June 19, 2001

For: An Apparatus And Method For Optimizing The Efficiency Of

Germanium Junctions In Multi-

Junction Solar Cells

Group Art Unit: 1753

Examiner: Mutschler, Brian L.

White & Case Docket No.: 1613370-0006

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on May 15, 2003

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15/w.m. 6/4/03

Date

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure imposed by 37 C.F.R. § 1.56 to inform the Patent Office of all references coming to the attention of Applicants or attorneys or agents for Applicants which are or may be material to the examination of the subject application, Attorneys for Applicants hereby invite the Examiner's attention to the reference(s) listed on the accompanying PTO Form SB/08A.

Identification of references listed on the attached PTO form is not to be construed as an admission of Applicants or attorneys for Applicants that such references are material or available as prior art against the subject application. The right is reserved to antedate any item in accordance with standard procedure.

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This submission is understood to complement the results of the Examiner's own independent search. The submission should not be construed as a representation that a search was made, or that the cited items are inclusive of all the relevant and material citations that may be available publicly.

Copies of the cited references are enclosed. Applicants respectfully request that the Examiner review the attached references and that they be made of record in the file history of the above-captioned application.

Applicants believe that the fee due in connection with the filing of this Information Disclosure Statement is \$180.00 (see attached Fee Transmittal). However, in the event that additional fees are required, then such fees are hereby authorized to be charged to White & Case LLP Deposit Account 23-1703.

Dated: May 15, 2003

James M. Www

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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1440ADEMAR Complete if Known Application Number 09/885,319 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Filing Date June 19, 2001 First Named Inventor Mark A. Stan Group Art Unit 1753 **Examiner Name** Mutschler, Brian L (use as many sheets as necessary) Attorney Docket Number 1613370-0006 Sheet of OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS T ² Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of Initials * No.1 the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. YAMAGUCHI, "Compound Semiconductor Solar Cells, Present Status", December 1990 NTT Opto-electronics Labs., Vol. 5, pp. 143-155 CHIANG, et al., "Large Area GalnP2/GaAs/Ge Mutijunction Solar Cells For Space Applications", May 1994, pp. 2120-2123 SHARPS, "Growth and Development of GalnAsP for Use in High-Efficiency Solar Cells", October 1994, NREL, pp. 1-27

Examiner	Date	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Attorney Docket No.: 1613370-0006

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark hee if English language Translation is attached.